

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/019, 151C
Source: PCT
Date Processed by STIC: 11-2-04

ENTERED



PCT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,151C

DATE: 11/02/2004

TIME: 11:17:12

Input Set : A:\KATO Sequence Listing.txt
 Output Set: N:\CRF4\11022004\J019151C.raw

3 <110> APPLICANT: KATO, Seishi
 4 KIMURA, Tomoko
 6 <120> TITLE OF INVENTION: Human proteins having hydrophobic domains and DNAs encoding
 these proteins
 8 <130> FILE REFERENCE: 2003-0984/WMC/01791
 10 <140> CURRENT APPLICATION NUMBER: 10/019,151C
 C--> 11 <141> CURRENT FILING DATE: 2001-12-21
 13 <150> PRIOR APPLICATION NUMBER: JP 11-178065
 14 <151> PRIOR FILING DATE: 1999-06-24
 16 <160> NUMBER OF SEQ ID NOS: 24
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 238
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1
 24 Met Ile Leu Leu Val Ile Leu Ala Phe Tyr Leu Trp Gln Val Asp Met
 25 1 5 10 15
 27 Leu Ser Glu Ile Asn Ile Ala Pro Arg Ile Leu Thr Asn Phe Thr Gly
 28 20 25 30
 30 Val Met Pro Pro Gln Phe Lys Lys Asp Leu Asp Ser Tyr Leu Lys Thr
 31 35 40 45
 33 Arg Ser Pro Val Thr Phe Leu Ser Asp Leu Arg Ser Asn Leu Gln Val
 34 50 55 60
 36 Ser Asn Glu Pro Gly Asn Arg Tyr Asn Leu Gln Leu Ile Asn Ala Leu
 37 65 70 75 80
 39 Val Leu Tyr Val Gly Thr Gln Ala Ile Ala His Ile His Asn Lys Gly
 40 85 90 95
 42 Ser Thr Pro Ser Met Ser Thr Ile Thr His Ser Ala His Met Asp Ile
 43 100 105 110
 45 Phe Gln Asn Leu Ala Val Asp Leu Asp Thr Glu Gly Arg Tyr Leu Phe
 46 115 120 125
 48 Leu Asn Ala Ile Ala Asn Gln Leu Arg Tyr Pro Asn Ser His Thr His
 49 130 135 140
 51 Tyr Phe Ser Cys Thr Met Leu Tyr Leu Phe Ala Glu Ala Asn Thr Glu
 52 145 150 155 160
 54 Ala Ile Gln Glu Gln Ile Thr Arg Val Leu Leu Glu Arg Leu Ile Val
 55 165 170 175
 57 Asn Arg Pro His Pro Trp Gly Leu Leu Ile Thr Phe Ile Glu Leu Ile
 58 180 185 190
 60 Lys Asn Pro Ala Phe Lys Phe Trp Asn His Glu Phe Val His Cys Ala
 61 195 200 205
 63 Pro Glu Ile Glu Lys Leu Phe Gln Ser Val Ala Gln Cys Cys Met Gly
 64 210 215 220
 66 Gln Lys Gln Ala Gln Gln Val Met Glu Gly Thr Gly Ala Ser

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67	225	230	235	
70	<210>	SEQ ID NO:	2	
71	<211>	LENGTH:	339	
72	<212>	TYPE:	PRT	
73	<213>	ORGANISM:	Homo sapiens	
75	<400>	SEQUENCE:	2	
76	Met Ala Ala Ala Cys Gly Pro Gly Ala Ala Gly Tyr Cys Leu Leu Leu			
77	1	5	10	15
79	Gly Leu His Leu Phe Leu Leu Thr Ala Gly Pro Ala Leu Gly Trp Asn			
80	20	25	30	
82	Asp Pro Asp Arg Met Leu Leu Arg Asp Val Lys Ala Leu Thr Leu His			
83	35	40	45	
85	Tyr Asp Arg Tyr Thr Thr Ser Arg Arg Leu Asp Pro Ile Pro Gln Leu			
86	50	55	60	
88	Lys Cys Val Gly Gly Thr Ala Gly Cys Asp Ser Tyr Thr Pro Lys Val			
89	65	70	75	80
91	Ile Gln Cys Gln Asn Lys Gly Trp Asp Gly Tyr Asp Val Gln Trp Glu			
92	85	90	95	
94	Cys Lys Thr Asp Leu Asp Ile Ala Tyr Lys Phe Gly Lys Thr Val Val			
95	100	105	110	
97	Ser Cys Glu Gly Tyr Glu Ser Ser Glu Asp Gln Tyr Val Leu Arg Gly			
98	115	120	125	
100	Ser Cys Gly Leu Glu Tyr Asn Leu Asp Tyr Thr Glu Leu Gly Leu Gln			
101	130	135	140	
103	Lys Leu Lys Glu Ser Gly Lys Gln His Gly Phe Ala Ser Phe Ser Asp			
104	145	150	155	160
106	Tyr Tyr Tyr Lys Trp Ser Ser Ala Asp Ser Cys Asn Met Ser Gly Leu			
107	165	170	175	
109	Ile Thr Ile Val Val Leu Leu Gly Ile Ala Phe Val Val Tyr Lys Leu			
110	180	185	190	
112	Phe Leu Ser Asp Gly Gln Tyr Ser Pro Pro Pro Tyr Ser Glu Tyr Pro			
113	195	200	205	
115	Pro Phe Ser His Arg Tyr Gln Arg Phe Thr Asn Ser Ala Gly Pro Pro			
116	210	215	220	
118	Pro Pro Gly Phe Lys Ser Glu Phe Thr Gly Pro Gln Asn Thr Gly His			
119	225	230	235	240
121	Gly Ala Thr Ser Gly Phe Gly Ser Ala Phe Thr Gly Gln Gln Gly Tyr			
122	245	250	255	
124	Glu Asn Ser Gly Pro Gly Phe Trp Thr Gly Leu Gly Thr Gly Gly Ile			
125	260	265	270	
127	Leu Gly Tyr Leu Phe Gly Ser Asn Arg Ala Ala Thr Pro Phe Ser Asp			
128	275	280	285	
130	Ser Trp Tyr Tyr Pro Ser Tyr Pro Pro Ser Tyr Pro Gly Thr Trp Asn			
131	290	295	300	
133	Arg Ala Tyr Ser Pro Leu His Gly Gly Ser Gly Ser Tyr Ser Val Cys			
134	305	310	315	320
136	Ser Asn Ser Asp Thr Lys Thr Arg Thr Ala Ser Gly Tyr Gly Gly Thr			
137	325	330	335	
139	Arg Arg Arg			

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Input Set : A:\KATO Sequence Listing.txt
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142 <210> SEQ ID NO: 3
 143 <211> LENGTH: 326
 144 <212> TYPE: PRT
 145 <213> ORGANISM: Homo sapiens
 147 <400> SEQUENCE: 3
 148 Met Ala Lys Met Glu Leu Ser Lys Ala Phe Ser Gly Gln Arg Thr Leu
 149 1 5 10 15
 151 Leu Ser Ala Ile Leu Ser Met Leu Ser Leu Ser Phe Ser Thr Thr Ser
 152 20 25 30
 154 Leu Leu Ser Asn Tyr Trp Phe Val Gly Thr Gln Lys Val Pro Lys Pro
 155 35 40 45
 157 Leu Cys Glu Lys Gly Leu Ala Ala Lys Cys Phe Asp Met Pro Val Ser
 158 50 55 60
 160 Leu Asp Gly Asp Thr Asn Thr Ser Thr Gln Glu Val Val Gln Tyr Asn
 161 65 70 75 80
 163 Trp Glu Thr Gly Asp Asp Arg Phe Ser Phe Arg Ser Phe Arg Ser Gly
 164 85 90 95
 166 Met Trp Leu Ser Cys Glu Glu Thr Val Glu Glu Pro Gly Glu Arg Cys
 167 100 105 110
 169 Arg Ser Phe Ile Glu Leu Thr Pro Pro Ala Lys Arg Glu Ile Leu Trp
 170 115 120 125
 172 Leu Ser Leu Gly Thr Gln Ile Thr Tyr Ile Gly Leu Gln Phe Ile Ser
 173 130 135 140
 175 Phe Leu Leu Leu Leu Thr Asp Leu Leu Leu Thr Gly Asn Pro Ala Cys
 176 145 150 155 160
 178 Gly Leu Lys Leu Ser Ala Phe Ala Ala Val Ser Ser Val Leu Ser Gly
 179 165 170 175
 181 Leu Leu Gly Met Val Ala His Met Met Tyr Ser Gln Val Phe Gln Ala
 182 180 185 190
 184 Thr Val Asn Leu Gly Pro Glu Asp Trp Arg Pro His Val Trp Asn Tyr
 185 195 200 205
 187 Gly Trp Ala Phe Tyr Met Ala Trp Leu Ser Phe Thr Cys Cys Met Ala
 188 210 215 220
 190 Ser Ala Val Thr Thr Phe Asn Thr Tyr Thr Arg Met Val Leu Glu Phe
 191 225 230 235 240
 193 Lys Cys Lys His Ser Lys Ser Phe Lys Glu Asn Pro Asn Cys Leu Pro
 194 245 250 255
 196 His His His Gln Cys Phe Pro Arg Arg Leu Ser Ser Ala Ala Pro Thr
 197 260 265 270
 199 Val Gly Pro Leu Thr Ser Tyr His Gln Tyr His Asn Gln Pro Ile His
 200 275 280 285
 202 Ser Val Ser Glu Gly Val Asp Phe Tyr Ser Glu Leu Arg Asn Lys Gly
 203 290 295 300
 205 Phe Gln Arg Gly Ala Ser Gln Glu Leu Lys Glu Ala Val Arg Ser Ser
 206 305 310 315 320
 208 Val Glu Glu Glu Gln Cys
 209 325
 211 <210> SEQ ID NO: 4
 212 <211> LENGTH: 324

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Input Set : A:\KATO Sequence Listing.txt
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213 <212> TYPE: PRT
 214 <213> ORGANISM: Homo sapiens
 216 <400> SEQUENCE: 4
 217 Met Ala Ala Ala Ala Pro Gly Asn Gly Arg Ala Ser Ala Pro Arg Leu
 1 5 10 15
 220 Leu Leu Leu Phe Leu Val Pro Leu Leu Trp Ala Pro Ala Ala Val Arg
 20 25 30
 223 Ala Gly Pro Asp Glu Asp Leu Ser His Arg Asn Lys Glu Pro Pro Ala
 35 40 45
 226 Pro Ala Gln Gln Leu Gln Pro Gln Pro Val Ala Val Gln Gly Pro Glu
 50 55 60
 229 Pro Ala Arg Val Glu Lys Ile Phe Thr Pro Ala Ala Pro Val His Thr
 65 70 75 80
 232 Asn Lys Glu Asp Pro Ala Thr Gln Thr Asn Leu Gly Phe Ile His Ala
 85 90 95
 235 Phe Val Ala Ala Ile Ser Val Ile Ile Val Ser Glu Leu Gly Asp Lys
 100 105 110
 238 Thr Phe Phe Ile Ala Ala Ile Met Ala Met Arg Tyr Asn Arg Leu Thr
 115 120 125
 241 Val Leu Ala Gly Ala Met Leu Ala Leu Gly Leu Met Thr Cys Leu Ser
 130 135 140
 244 Val Leu Phe Gly Tyr Ala Thr Thr Val Ile Pro Arg Val Tyr Thr Tyr
 145 150 155 160
 247 Tyr Val Ser Thr Val Leu Phe Ala Ile Phe Gly Ile Arg Met Leu Arg
 165 170 175
 250 Glu Gly Leu Lys Met Ser Pro Asp Glu Gly Gln Glu Glu Leu Glu Glu
 180 185 190
 253 Val Gln Ala Glu Leu Lys Lys Asp Glu Glu Phe Gln Arg Thr Lys
 195 200 205
 256 Leu Leu Asn Gly Pro Gly Asp Val Glu Thr Gly Thr Ser Ile Thr Val
 210 215 220
 259 Pro Gln Lys Lys Trp Leu His Phe Ile Ser Pro Ile Phe Val Gln Ala
 225 230 235 240
 262 Leu Thr Leu Thr Phe Leu Ala Glu Trp Gly Asp Arg Ser Gln Leu Thr
 245 250 255
 265 Thr Ile Val Leu Ala Ala Arg Glu Asp Pro Tyr Gly Val Ala Val Gly
 260 265 270
 268 Gly Thr Val Gly His Cys Leu Cys Thr Gly Leu Ala Val Ile Gly Gly
 275 280 285
 271 Arg Met Ile Ala Gln Lys Ile Ser Val Arg Thr Val Thr Ile Ile Gly
 290 295 300
 274 Gly Ile Val Phe Leu Ala Phe Ala Phe Ser Ala Leu Phe Ile Ser Pro
 305 310 315 320
 278 Asp Ser Gly Phe
 281 <210> SEQ ID NO: 5
 282 <211> LENGTH: 153
 283 <212> TYPE: PRT
 284 <213> ORGANISM: Homo sapiens
 286 <400> SEQUENCE: 5

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Input Set : A:\KATO Sequence Listing.txt
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287 Met Asn Val Gly Thr Ala His Ser Glu Val Asn Pro Asn Thr Arg Val
288 1 5 10 15
290 Met Asn Ser Arg Gly Ile Trp Leu Ser Tyr Val Leu Ala Ile Gly Leu
291 20 25 30
293 Leu His Ile Val Leu Leu Ser Ile Pro Phe Val Ser Val Pro Val Val
294 35 40 45
296 Trp Thr Leu Thr Asn Leu Ile His Asn Met Gly Met Tyr Ile Phe Leu
297 50 55 60
299 His Thr Val Lys Gly Thr Pro Phe Glu Thr Pro Asp Gln Gly Lys Ala
300 65 70 75 80
302 Arg Leu Leu Thr His Trp Glu Gln Met Asp Tyr Gly Val Gln Phe Thr
303 85 90 95
305 Ala Ser Arg Lys Phe Leu Thr Ile Thr Pro Ile Val Leu Tyr Phe Leu
306 100 105 110
308 Thr Ser Phe Tyr Thr Lys Tyr Asp Gln Ile His Phe Val Leu Asn Thr
309 115 120 125
311 Val Ser Leu Met Ser Val Leu Ile Pro Lys Leu Pro Gln Leu His Gly
312 130 135 140
314 Val Arg Ile Phe Gly Ile Asn Lys Tyr
315 145 150
317 <210> SEQ ID NO: 6
318 <211> LENGTH: 153
319 <212> TYPE: PRT
320 <213> ORGANISM: Homo sapiens
322 <400> SEQUENCE: 6
323 Met Asn Val Gly Val Ala His Ser Glu Val Asn Pro Asn Thr Arg Val
324 1 5 10 15
326 Met Asn Ser Arg Gly Ile Trp Leu Ala Tyr Ile Ile Leu Val Gly Leu
327 20 25 30
329 Leu His Met Val Leu Leu Ser Ile Pro Phe Phe Ser Ile Pro Val Val
330 35 40 45
332 Trp Thr Leu Thr Asn Val Ile His Asn Leu Ala Thr Tyr Val Phe Leu
333 50 55 60
335 His Thr Val Lys Gly Thr Pro Phe Glu Thr Pro Asp Gln Gly Lys Ala
336 65 70 75 80
338 Arg Leu Leu Thr His Trp Glu Gln Met Asp Tyr Gly Leu Gln Phe Thr
339 85 90 95
341 Ser Ser Arg Lys Phe Leu Ser Ile Ser Pro Ile Val Leu Tyr Leu Leu
342 100 105 110
344 Ala Ser Phe Tyr Thr Lys Tyr Asp Ala Ala His Phe Leu Ile Asn Thr
345 115 120 125
347 Ala Ser Leu Leu Ser Val Leu Leu Pro Lys Leu Pro Gln Phe His Gly
348 130 135 140
350 Val Arg Val Phe Gly Ile Asn Lys Tyr
351 145 150
353 <210> SEQ ID NO: 7
354 <211> LENGTH: 200
355 <212> TYPE: PRT
356 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 11/02/2004
PATENT APPLICATION: US/10/019,151C TIME: 11:17:13

Input Set : A:\KATO Sequence Listing.txt
Output Set: N:\CRF4\11022004\J019151C.raw

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 6
Seq#:2; Line(s) 104

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/019,151C

DATE: 11/02/2004

TIME: 11:17:13

Input Set : A:\KATO Sequence Listing.txt

Output Set: N:\CRF4\11022004\J019151C.raw

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:626 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:629 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:632 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:635 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:638 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:641 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:644 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:647 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:650 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:653 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:656 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:659 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:662 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:17
L:854 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:857 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:860 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:863 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:866 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:869 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:872 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:875 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:878 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:881 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:884 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:887 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:890 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:893 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:896 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:899 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:902 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:905 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:908 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:911 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:914 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:20
L:943 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:946 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:949 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:952 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:955 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:958 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:961 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:964 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:967 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:970 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:973 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:21
L:1084 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:23
L:1087 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:23

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Input Set : A:\KATO Sequence Listing.txt
Output Set: N:\CRF4\11022004\J019151C.raw

L:1090 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:23

L:1093 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:23

L:1096 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:23